

**NORTH KESTIVEN
RURAL DISTRICT COUNCIL**

ANNUAL REPORT

**OF THE
MEDICAL OFFICER OF HEALTH
AND
PUBLIC HEALTH INSPECTOR**

FOR THE YEAR

1971

**DONCASTERS LTD.,
MINT LANE, LINCOLN**



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NORTH KESTEVEN RURAL DISTRICT COUNCIL

ANNUAL REPORT of the Medical Officer of Health and Public Health Inspector for 1971.

Chairman: MR. F. G. NEWTON, Swinderby

Vice-Chairman: MR. H. F. STEWARD, Bracebridge Heath

Medical Officer of Health: DR. J. F. ADAM, M.B., B.S., D.OBST., R.C.O.G.

Clerk: MR. T. L. HILL

Treasurer: MR. D. S. STUBBS

Legal Advisers: MESSRS. DANBY, EPTONS & GRIFFITH, Solicitors, Lincoln.

Surveyor and Chief Public Health Inspector:

MR. J. FREEMAN, C.ENG., F.I.MUN.E.,
M.R.S.H., M.A.P.H.I.

Deputy Surveyor: MR. B. R. WALLACE,
A.R.I.C.S., M.I.P.H.E.

Deputy Chief Public Health Inspector:
MR. D. G. OWENS, M.A.P.H.I.

Additional Public Health Inspectors:

MR. B. G. MINION, M.A.P.H.I.
MR. J. R. MANNERS, M.R.S.H., M.A.P.H.I.
MR. S. EDWARDS, M.A.P.H.I.

Pupil Public Health Inspector:
MR. C. J. KITCHER

Council Offices:

31 Clasketgate, Lincoln.
Telephone No. 23221.

*Surveyor and Chief Public Health
Inspector's Department:*

Beech Street, Bracebridge, Lincoln.
Telephone No. 27395/6/7.
Garage and Store, Sleaford Road,
Metheringham.
Telephone No. 470.

The Chairman and Vice-Chairman act as *ex-officio* members of all Committees and Sub-Committees of the Council (except the Rating and Valuation Committee)

Mr. Chairman, Ladies and Gentlemen,

As your Medical Officer of Health, I beg to lay before you my report on the vital statistics, Health and Sanitary Conditions of your District for the year ending 31st December, 1971.

Statistics and Social Conditions of the Area.

Area (acres)	..	..	..	..	..	..	100,124
Population 1971 (Estimated Mid-Year)	..	..	..	..	..	..	44,730
1970	..	..	..	..	..	..	46,720
Dwelling houses (including houses with shops)	..	..	..	..	..	..	14,335
Commercial Properties	..	..	..	..	..	..	888
Licensed Premises	..	..	..	..	..	..	56
Entertainment and Recreational	..	..	..	..	..	..	48
Public Utility	..	..	..	..	..	..	84
Educational and Cultural	..	..	..	..	..	..	53
Industrial	..	..	..	..	..	..	34
Miscellaneous	..	..	..	..	..	..	133
Total number of hereditaments	..	..	..	..	..	..	15,631
Rateable Value of District	..	..	..	..	..	..	£1,333,754
Penny Rate Product	..	..	..	..	..	..	£12,959

Council Tenancies

Permanent houses and bungalows	2,148
Aluminium bungalows	33
Cottages purchased by the Council	9
Total	2,190

The following industries and occupations exist in the district:—Agriculture, crop drying, an egg packing station, brick making kilns, light engineering works, stone and sand and gravel quarries, vehicle depots and garages, wholesale distributors (SPD), a clothing factory, Jointine Products, the Malleable Iron Works, food manufacture at the N.A.A.F.I. bakery at North Hykeham and pest control at Metherringham.

VITAL STATISTICS 1971

Birth and Death Rates

As the age and sex distributions of the population in different areas materially affects both the Birth and Death rates of these areas, comparability factors allowing for this are issued by the Registrar General for each local Government Unit. These factors are used in calculating what are termed as nett rates and fairer comparisons are obtained if the latter are used when comparing rates with those of any other area (when these have been similarly adjusted) or with rates for the Country as a whole.

These factors for Births and Deaths in respect of North Kesteven Rural District are 1.00 and 0.90 respectively. The corresponding figures when multiplied by the Crude Rate (that is, for Births and Deaths as the case may be) will give the nett rate.

	M.	F	Total
Live Births	375	409	784
Legitimate	359	392	751
Illegitimate	16	17	33
Crude live birth rate per 1,000 population .. .. .	..	..	17.5
Nett live birth rate per 1,000 population .. .. .	..	..	17.5
Rate for England and Wales .. .. .	..	..	16.0
Illegitimate live births—Per cent of total births .. .. .	..	..	4.0%
Still births	3	7	10
Legitimate	3	7	10
Illegitimate	—	—	—
Still birth rate per 1,000 live and still births.. .. .	..	..	13.0
Rate for England and Wales .. .. .	..	..	12.0
Total live and still births	378	416	794
Deaths	220	211	431
Crude death rate per 1,000 of estimated population .. .. .	..	..	9.6
Nett death rate per 1,000 of estimated population .. .. .	..	..	8.6
Rate for England and Wales .. .. .	..	..	11.6

Infant Mortality						M.	F.	Total
i.e. deaths of infants under the age of 1 year						4	8	12
Legitimate						3	6	9
Illegitimate						1	2	3
Infant Mortality rate per 1,000 live births						..	..	15.0
Rate for England and Wales						..	..	18.0
Legitimate infant deaths per 1,000 legitimate live births						..	..	15.0
Illegitimate infant deaths per 1,000 illegitimate live births						..	..	30.0
Deaths of infants under four weeks						4	6	10
Deaths of infants under one week						4	6	10
Neonatal mortality rate per 1,000 live births under 4 weeks						..	..	13.0
Rate for England and Wales						..	..	12.0
Early neonatal mortality rate per 1,000 live births under 1 week						..	..	13.0
Rate for England and Wales						..	..	10.0
Perinatal Mortality rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births)						..	..	25.0
Rate for England and Wales						..	..	22.0

Maternal Mortality (including abortion)

Number of deaths	..	..	..	..	..	..	0
Rate per 1,000 total live and still births	..	..	..	..	..	..	0.00

The birth rate at 17.5 per 1,000 is slightly higher than that of England and Wales as a whole at 16.0.

The death rate at 9.6 compares favourably with the figures for England and Wales at 11.6.

The infant mortality rate for the area was 15.0 which compares with that of the national average of 18.0.

The natural increase in the population of the area, that is the excess of live births over deaths was 353.

CAUSES OF DEATH

						M.	F.	Total
1.	Tuberculosis of Respiratory System	..	..	..	..	2	—	2
2.	Meningococcal Infection	..	..	..	..	—	1	1
3.	Malignant Neoplasm Oesophagus	..	..	..	..	3	1	4
4.	Malignant Neoplasm, Buccal Cavity etc.	..	..	..	..	2	—	2
5.	Malignant Neoplasm, stomach	..	..	..	..	10	2	12
6.	Malignant Neoplasm, Intestine	..	..	..	..	1	10	11
7.	Malignant Neoplasm, Lung, Bronchus	..	..	..	..	11	2	13
8.	Malignant Neoplasm, Breast	..	..	..	..	—	9	9
9.	Malignant Neoplasm, Uterus	..	..	..	..	—	3	3
10.	Malignant Neoplasm, Prostate	..	..	..	..	3	—	3
11.	Leukaemia	..	..	..	..	2	—	2
12.	Other Malignant Neoplasms	..	..	..	..	10	17	27
13.	Diabetes Mellitus	..	..	..	..	2	2	4
14.	Other Complications of Pregnancy etc.	..	..	..	..	—	1	1
15.	Mental Disorders	..	..	..	..	2	2	4
16.	Multiple Sclerosis	..	..	..	..	1	—	1
17.	Other Diseases of Nervous System	..	..	..	..	2	3	5

18.	Chronic Rheumatic Heart Disease	..	..	2	1	3
19.	Hypertensive Disease	..	..	1	1	2
20.	Ischaemic Heart Disease	..	..	73	49	122
21.	Other Forms of Heart Disease	..	..	9	9	18
22.	Cerebrovascular Disease	..	..	23	27	50
23.	Other Diseases of Circulatory System	..	..	7	15	22
24.	Pneumonia	..	..	13	24	37
25.	Bronchitis and Emphysema	..	..	13	5	18
26.	Other Diseases of Respiratory System	..	..	1	3	4
27.	Peptic Ulcer	..	..	—	2	2
28.	Intestinal Obstruction & Hernia	..	..	3	1	4
29.	Cirrhosis of Liver	..	..	1	—	1
30.	Other Diseases of Digestive System	..	..	2	4	6
31.	Nephritis & Nephrosis	..	..	2	1	3
32.	Other Disease, Genito-Urinary System	..	..	3	3	6
33.	Diseases of Musculo-Skeletal System	..	..	1	2	3
34.	Congenital Anomalies	..	..	2	1	3
35.	Birth Injury, Difficult Labour, etc.	..	..	3	4	7
36.	Other Causes of Perinatal Mortality	..	..	—	1	1
37.	Motor Vehicle Accidents	..	..	6	1	7
38.	All other Accidents	..	..	3	1	4
39.	Suicide and Self-Inflicted Injuries	..	..	—	2	2
40.	All other External Causes	..	..	1	1	2

Ischaemic Heart Disease was again the principal cause of death followed by cerebrovascular disease and pneumonia. Cancer in all forms was responsible for 18.79% of the total deaths.

There were 7 deaths due to motor vehicle accidents which is 1 less than the previous year.

There were 2 deaths from suicide which is 1 less than the previous year.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Nursing in the Home

Under the County Council Scheme, District Nurse/Midwives are stationed at villages throughout the area.

The following details are in current use and not necessarily appertaining to the year 1970 only.

They are stationed at:—

District	Nurse	Parishes or Hamlets
BASSINGHAM	Mrs. J. Frith, The Bungalow, Harmston Road, Aubourn, Lincoln Tel. Bassingham 320	Bassingham, Thurlby, Carlton- Le-Moorland, Norton Disney, Stapleford
BRANSTON	Mrs. M. Chapman, Sleaford Road, Branston, Lincoln Tel: Branston 285	Branston, Fens and Mere
BRANT BROUGHTON	Mrs. Thompson, The Homestead, Church Lane, Brant Broughton	Brant Broughton, Beckingham, Stragglethorpe

District	Nurse	Parishes or Hamlets
HYKEHAM	Mrs. M. A. Daft, The Plough Inn, North Hykeham Tel: North Hykeham 515 Mrs. R. E. Gunnigle and Mrs. Millikin, Timms Cottage, Stones Lane, Waddington Tel: Waddington 694	North and South Hykeham Brant Road and Cliffe Gardens Estate
LEADENHAM	Mrs. C. Ruthen, 8 Stratton Close, R.A.F. Cranwell, Sleaford Tel: Cranwell 287	Leadenham
POTTERHANWORTH	Mrs. M. E. Finn, Nurse's House, Wellhead Lane, Nocton, Lincoln Tel: Metherringham 453	Potterhanworth, Nocton, Dun- ston and Fens (General Nursing and Health Visiting Only)
SKELLINGTHORPE	Mrs. C. E. Lockwood, 58 Gardenfield Road, Wischelme Estate, Skellingthorpe, Lincoln Tel: Doddington 589	Skellingthorpe, Whisby, Dodding- ton, Eagle, North Scarle, Swine- thorpe
SWINDERBY	Miss Frith, Nurse, The Bungalow, Harmston Road, Aubourn Tel: Bassingham 320	Aubourn, Haddington, Harmston Morton Hall, Swinderby, R.A.F. Swinderby, Thorpe-on-the-Hill
WADDINGTON	Mrs. A. M. Place, Nurse, "Caledonia," Canwick Avenue, Bracebridge Heath Tel: Lincoln 24034	Bracebridge Heath, Waddington
WASHINGBOROUGH	Miss G. A. Foster, Nurse, Nurse's House, Fen Road, Heighington, Lincoln Tel: Washingborough 281	Canwick, Washingborough, Heighington and Fens
WELLINGORE	Miss E. M. Howard, Nurse, Nurse's House, Grantham Road, Navenby Tel: Navenby 302	Wellingore
Relief Nurses:	Nurse, Mrs. A. Freeman, 14 Sutton Road, Beckingham Fenton Claypole 260 Mrs. B. Smith, 33 Somerville Close, Waddington Waddington 541	
Health Visitors:	Miss M. A. Daniels, 28 Meynell Avenue, Lincoln Lincoln 24084 Miss K. P. Brown, The Croft, Cauntun Cauntun 265 Mrs. D. E. Edgell, The Paddock, Norton Disney Bassingham 237 Miss S. Crawshaw, 91 Camwood Crescent, Birchwood, Lincoln	
Part Time School Nurse: (for Hykeham district)	Mrs. B. Beale, 35 Water Lane, North Hykeham	
CHILDREN'S DEPARTMENT		
Director of Social Services	Mr. W. Crouch, Kesteven County Council, County Offices, Sleaford Telephone: Sleaford 3241	
Area Officer	Miss S. J. Skelton, 7 Inns Close, North Hykeham Tel. 30165 Residential Address: 15 Broadway, Bracebridge Heath Tel: 25728	
MENTAL WELFARE DEPARTMENT		
County Mental Welfare Officer:	Mr. M. A. Clark, Kesteven County Council, County Offices Sleaford Telephone: Sleaford 3241	
North Kesteven Area Mental Welfare Officer	Mrs. D. M. Robson, 9 Inns Close, North Hykeham Tel: Lincoln 22856	
WELFARE DEPARTMENT		
County Welfare Officer:	Mr. J. W. Allpress, Kesteven County Council, County Offices, Sleaford Telephone Sleaford 3241	
North Kesteven Area Welfare Officer	Mr. J. Brown, 9 Inns Close, North Hykeham Telephone Lincoln 22856	

Immunization and Vaccination

Diphtheria, whooping cough, poliomyelitis immunization, measles, rubella and smallpox vaccination is provided free of charge by the general practitioners in the area and at the local authority clinics.

International Certificates of Vaccination

A total of 431 certificates received approval during the year, 293 of which were against Smallpox, 138 against Cholera.

Ambulance Service

Ambulances serving the area are based at Sleaford and Waddington. The County ambulance service is still running at great pressure. It is important that this service should be used with considerable care in order to avoid over-burdening.

Infant Welfare Clinics

These are scattered throughout the principal villages in the area. See enclosed list of Infant Welfare Clinics.

Mothercraft and Relaxation Classes

These take place at the Church Hall I.W.C. at North Hykeham and also at Brant Road Social Club there has been a good attendance at each session. In addition to a session of relaxation exercises, a talk relating to pregnancy, childbirth or mothercraft is given at each attendance.

Hospital Services

All the usual hospital services are provided by the Sheffield Regional Hospital Board at the Lincoln County and St. Georges Hospital, Lincoln. Also situated in the Council's area are St. John's Hospital which specializes in cases of mental illness and Harmston Hall Hospital at Harmston which specializes in cases of mental subnormality. There is also a hospital at Branston for the treatment of Chest diseases and tuberculosis. Nocton Hall R.A.F. Hospital caters for R.A.F. personnel living in the area and their families. It is also helpful in dealing with some civilian cases. Maternity Services are provided by the new maternity Hospital.

Public Health Laboratory Service

Bacteriological investigations are carried out by the Public Health Laboratory Service situated at Lincoln County Hospital under the supervision of Dr. Wallace. The service includes the examination of milk and water supplies as well as general bacteriological examinations for the general practitioners and the Public Health Departments. I should particularly like to thank Dr. Wallace for his generous assistance and advice.

Venereal Disease Clinic

A special clinic for the diagnosis and treatment of venereal diseases is held at the Lincoln County Hospital.

INFANT WELFARE CLINICS

Centre	Doctor	Secretary	Day When Held
BASSINGHAM The Village Hall	Dr. A. Morris	Mrs. Kelley, Manor House, Bassingham Tel. Bassingham 394	3rd Tuesday
BRACEBRIDGE HEATH The Village Hall	Dr. P. M. Birch, 77 Washingborough Road, Heighington Tel. Wash. 404	Mrs. M. Spice, Engineers House, St. Johns Hospital, Bracebridge Heath	2nd and 4th Thursday
BRANSTON The Methodist Chapel	Dr. A. Morris	Mrs. H. E. Deverill, 110 Lincoln Road, Branston Tel. Branston 302	2nd Tuesday
EAGLE The Village Hall	Dr. E. E. Fox	Mrs. I. Roe, Enfield Farm, Eagle	2nd Wednesday
HEIGHINGTON The Village Hall	Dr. P. M. Birch, Heighington	Mrs. E. Pratt, Heighington Hall, Heighington Tel. Washingborough 244	2nd Thursday
LEADENHAM The Village Hall	Dr. E. A. Whiteley	Mrs. M. S. Longthorn 16 North Road, Leadenham	4th Tuesday
METHERINGHAM Methodist Chapel Schoolroom	Dr. B. Wright, Metheringham	Miss C. A. Turner, 16 Jubilee Street, Ruskington	1st Wednesday
NAVENBY The Wesleyan School	Dr. A. Morris	Mrs. Mason, North Lane, Navenby Tel. Navenby 285	2nd Friday
NOCTON The Village Hall	Dr. B. Wright Metheringham	Mrs. P. Dickinson, 21 Wellhead Lane, Nocton	4th Wednesday
NORTH HYKEHAM VILLAGE The Church Hall	Dr. E. E. Fox	Mrs. M. Reynolds, 5 Manor Road, North Hykeham	2nd and 4th Tuesday
NORTH HYKEHAM NEWARK ROAD The Memorial Hall	Dr. P. M. Birch	Mrs. D. Kent, 35 McMillan Avenue, North Hykeham	1st and 3rd Monday Doctor only 3rd Monday
NORTH HYKEHAM St. Hugh's	Dr. P. M. Birch	Mrs. Dickman, 77 Broadway, North Hykeham Tel. Lincoln 24101	1st and 3rd Wednesday
NORTON DISNEY The Village Hall	Dr. D. Nixon, The Chestnuts, Collingham, Nr. Newark	Mrs. S. M. Dorey, Vine Tree Farm, Norton Disney, (Welfare Foods— Mrs. Meredith Tel. Bass 296)	2nd Friday
POTTERHANWORTH The Village Hall	Dr. P. A. Morris	Mrs. T. H. N. Battle, The Old Hall, Potterhanworth Tel. Branston 338	3rd Friday
SKELLINGTHORPE The Women's Institute	Dr. E. E. Fox	Mrs. F. H. Turner, Waterloo House, Waterloo Lane, Skellingthorpe Tell. Doddington 288	2nd Monday and 4th Wednesday Doctor in attendance both days
SWINDERBY Methodist Church School Room	Dr. D. Nixon, The Chestnuts, Collingham, Nr. Newark, Notts.	Mrs. S. D. Newton, Newton's Farm, Swinderby	1st Friday
WADDINGTON R.A.F.		Mrs. M. Turnhill, 35 Tedder Avenue, Waddington	1st and 3rd Thursday
WADDINGTON VILLAGE The New Village Hall	Dr. E. E. Fox, 501 Newark Road, Lincoln	Mrs. M. A. Lowe, 178 Grantham Road, Waddington	1st and 3rd Tuesday
WASHINGBOROUGH The Village Hall	Dr. P. M. Birch, Heighington	Mrs. M. Dalton, 31 Park Avenue, Washingborough Tel. Washingborough 243	3rd Tuesday
LINCOLN (BRANT ROAD) Social Club	Dr. P. M. Birch Heighington	Mrs. M. Levers, 54 Redwood Drive, Brant Road, Lincoln Tel. Lincoln 29553	2nd and 4th Monday

INFECTIOUS DISEASES

Age	Diphtheria	Measles	Whooping Cough	Dysentery	Paratyphoid	Pneumonia	Cerebro-Spinal Fever	Meningococcal Infection	Tuberculosis	Malaria	Food Poisoning	Infective Hepatitis	Scarlet Fever	Total
Under 1 year	—	9	3	—	—	—	—	2	—	—	—	—	—	14
1	—	20	1	—	—	—	—	1	—	—	—	—	—	22
2	—	24	1	—	—	—	—	2	—	—	—	—	—	27
3	—	17	—	—	—	—	—	—	—	—	—	—	—	17
4	—	17	1	1	—	—	—	1	1	—	—	—	—	21
5—9	—	119	5	2	—	—	—	1	—	—	—	1	—	128
10—14	—	3	2	—	—	—	—	1	—	—	1	1	—	8
15—24	—	5	—	—	—	—	—	—	—	1	—	5	2	13
25 and over	—	5	1	1	—	—	—	—	4	—	—	3	—	14
Total	—	219	14	4	—	—	—	8	5	1	1	10	2	264
Admission to Hospital	—	21	2	2	—	—	—	8	2	1	—	6	2	44

INFECTIOUS DISEASE

Dysentery

8 cases of dysentery were notified during 1971 compared to 5 in the previous year.

Diphtheria

No cases were notified during the year. It is essential that a high level of immunization be maintained in order to prevent the possibility of an outbreak. The triple vaccine giving protection against diphtheria, whooping cough and tetanus is available for infants and young children. It is particularly important that tetanus immunizations for agricultural workers should be encouraged as these workers are at greater risk than others in this agricultural community.

Whooping Cough

14 cases were notified during 1971 as compared with 4 cases being reported last year.

Poliomyelitis

There were no cases of poliomyelitis notified during the year in this area.

It is most essential that all children should receive this vaccine in order to maintain an immune community. It is thought that the immunity from 3 doses of oral vaccine is probably lifelong.

Food Poisoning

12 cases of Food Poisoning was notified during the year.

Tuberculosis

There were 5 new cases of tuberculosis notified during the year. Of these five cases three were respiratory. No deaths were attributable to respiratory tuberculosis during the year. Protection against tuberculosis is offered to 13 year old school children.

German Measles

A National immunisation programme has been introduced.

FOOD AND DRUGS ACT, 1955

Inspection of Meat

In the area there are 2 licensed slaughterhouses.

The following is a tabular statement for the post-mortem inspection of animals:—

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	584	593	7	664	2800	Nil
Number inspected	584	593	7	664	2800	Nil
All diseases except Tuberculosis and Cysticerci						
Whole carcasses condemned	1	43	3	19	36	Nil
Carcasses of which some part or organ was condemned	23	168	2	9	191	Nil
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	4.10%	35.65%	71.4%	4.22%	8.10%	Nil
Tuberculosis only						
Whole carcasses condemned	Nil	Nil	Nil	Nil	Nil	Nil
Carcasses of which some part or organ was condemned	Nil	Nil	Nil	Nil	44	Nil
Percentage of the number inspected affected with tuberculosis	Nil	Nil	Nil	Nil	1.57%	Nil
Cysticercosis						
Carcasses of which some part or organ was condemned	1	2	Nil	Nil	Nil	Nil
Carcasses submitted to treatment by refrigeration	1	2	Nil	Nil	Nil	Nil
Generalised and totally condemned	Nil	Nil	Nil	Nil	Nil	Nil

Weight of Meat Condemned

	Carcase Meat			Offal		
	tons	cwts.	lbs.	tons	cwts.	lbs.
Bovine	9	11	17	1	12	32
Sheep	—	2	86	—	1	30
Pigs	3	3	109	—	12	6
Horses	—	—	—	—	—	—
Total:	12	17	100	2	5	68

The Ministry of Agriculture, Fisheries and Food have ceased sending reactor cattle into the slaughterhouse of Messrs. Hughes & Sons (Skellingthorpe) Ltd.

Disposal of Condemned Meat

This is taken to a Knackers Yard in the district for processing into pet food and fertilisers.

Food Hygiene (General) Regulations, 1960

	Restau- rants and Cafes	But- chers	Grocers and Confec- tioners	Fish and Chip Fryers	Bake- houses	Fruit- erers	Licen- sed Prem- ises
No. of premises	19	17	114	12	3	3	63
No. fitted to comply with Regulation 16	19	17	114	12	3	2	63
No. to which Regulation 19 applies	19	17	90	12	3	1	63
No. fitted to comply with Regulation 19	19	17	90	12	3	1	63

Food Premises registered under Section 16 of the Food and Drugs Act, 1955.

Sale of Ice-Cream	Manufacture of Meat Products	Fish and Chip Fryers
141	26	12

103 inspections of food premises were made during the year.

Ice Cream (Heat Treatment, etc.) Regulations, 1959

There are no manufacturers of ice-cream in the district, but there are several soft ice-cream vehicles operating from registered premises in North Hykeham.

The Liquid Egg (Pasteurisation) Regulations, 1963

There are no pasteurisation plants in the district.

Poultry Inspection

There are no poultry processing premises within the district.

Milk Samples

These are taken by the Kesteven County Council Public Health Department and details of this work are reproduced below:

No. Samples Submitted	Results of Methylene Blue Test	
	Satisfactory	Unsatisfactory
4 Pasteurised	4	—
13 Untreated	12	1
1 Ultra heat treated	1	—

Brucella Abortus

The “untreated” milk samples were also submitted to biological examination for brucellosis and all proved negative.

Swimming baths

A total of 39 samples of water were taken from school swimming baths in this district and of these, six samples were found to be unsatisfactory.

ENVIRONMENTAL HEALTH INSPECTION OF THE AREA

Visits to Slaughterhouses..	..	..	..	..	..	387
Drains Tested ..	..	..	..	..	..	569
Housing Inspection ..	..	..	..	..	..	614
Knackers Yard ..	..	..	..	..	..	6
Refuse Tips ..	..	..	..	..	..	110
Inspections on Complaint ..	..	..	..	..	..	327
Other Inspections under Public Health Act ..	..	..	..	..	..	355
Inspections under Food and Drugs Act ..	..	..	..	..	..	103
Infectious Diseases ..	..	..	..	..	..	24
Water Samples taken ..	..	..	..	..	..	6
Caravan Acts ..	..	..	..	..	..	52
Buildings in course of Erection ..	..	..	..	..	..	2417
Scavenging ..	..	..	..	..	..	56
Factories Act ..	..	..	..	..	..	23
Miscellaneous ..	..	..	..	..	..	1164
Animal Boarding Establishment Act ..	..	..	..	..	..	19
Offices, Shops and Railway Premises Act ..	..	..	..	..	..	74
Civic Amenities Act ..	..	..	..	..	..	2

HOUSING

In carrying out their duties under the Housing Acts in respect of unfit houses, investigating applications for Improvement Grants and supervising the subsequent work, your Public Health Inspectors made 614 visits. The following gives brief details of the outcome of this work.

Slum Clearance

During 1971, 10 houses were reported to the Council under Section 16, Housing Act, 1957, as being unfit for human habitation and incapable of being rendered fit at reasonable expense.

Since 1956 a total of 191 dwellings have been included in Clearance Areas under Section 42 and of these 142 have been demolished, 2 converted to garages, 4 made fit, and 43 remain to be dealt with by demolition.

Since November, 1955, a total of 423 dwellings, first dealt with by Clearance Order or Section 16 of the Housing Act, 1957, have been demolished.

Rent Act, 1957

During the year no applications for a certificate of Disrepair were received.

Improvement Grants

During the year the Council approved 19 applications for Improvement Grants, the amount of grants involved being £15,041. The total number of Improvement Grants approved since the commencement of the Act is 419.

The number of Standard Grants approved during the year was 40 making a total since commencement of the Act of 617.

Conversion of Closets under Section 47, Public Health Act, 1936

During the year the Council approved 9 applications for converting closets (other than water closets) to water closets, making a total of 250 since the commencement of the scheme.

New Housing

6 new Council Dwellings were completed during the year bringing the total built since the end of the war to 1618.

During the year 568 dwellings were completed by private builders making a total of 6,809 since the war. At the end of the year 198 private dwellings were under construction.

Council House Improvements

The number of improvements to older type of Council dwellings during the year 1971 was 165 bringing the total since 1962 to 451.

SANITARY CIRCUMSTANCES IN THE AREA

Water Supply

All parishes have a piped water supply from the Lincoln and District Water Board. Details of the supply are given below.

	<i>Direct Services</i>		<i>Pillar Fountains</i>	
	<i>No. of Properties served</i>	<i>Popl'n served</i>	<i>No. of Properties served</i>	<i>Popl'n served</i>
Aubourn, Haddington and South				
Hykeham	189	785	3	10
Bassingham	379	834	1	3
Beckingham	76	276	—	—
Boothby Graffoe	57	218	—	—
Bracebridge Heath	1058	4379	—	—
Branston and Mere	750	2930	5	15
Brant Broughton and Stragglethorpe	226	931	1	1
Canwick	134	471	—	—
Carlton-le-Moorland	90	335	—	—
Coleby	158	540	2	7
Doddington and Whisby	96	393	—	—
Dunston	152	625	3	13
Eagle and Swinethorpe	190	703	—	—
Harmston	99	365	—	—
Heighington	523	1989	1	4
Leadenham	189	593	1	2
Metheringham	654	2602	3	10
Navenby (includes Skinnand)	265	1135	3	10
Nocton	112	1031	—	—
North Hykeham	2943	10452	—	—
North Scarle	111	581	1	4
Norton Disney	66	266	—	—
Potterhanworth	131	620	1	2
Skellingthorpe	1117	2908	—	—
Stapleford	29	206	—	—
Swinderby	172	698	—	—
Thorpe-on-the-Hill (includes Morton)	285	924	—	—
Thurlby	26	1526	—	—
Waddington	1078	4770	1	3
Washingborough	862	2960	1	3
Welbourn	222	652	—	—
Wellingore	245	950	2	7

- (a) Water supplied to all areas has been satisfactory in both quality and quantity.
- (b) Weekly bacteriological examinations are made of all water supplied and periodic samples for chemical and flourine content are sent to the Water Board's Analyst. Weekly reports are submitted to the Council. The fluoride content of the water is shown in the chemical analysis.
- (c) The water does not have any undue plumbo-solvent action on lead and special precautions are not therefore necessary.

- (d) A strict hygienic code of practice is carried out at all times at the pumping stations and reservoirs. All new mains are chlorinated before use.

CHEMICAL ANALYSES

Waneham Bridge Pumping Station, Metherringham

This water contains per million parts:

Total Solids dried 180° C	..	..	..	..	..	665.00
Suspended Matter	..	..	..	..	..	Absent
Chlorides as Chlorine	..	..	..	..	..	50.00
Nitrate Nitrogen	..	..	..	..	..	13.00
Nitrite Nitrogen	..	..	..	..	..	0.002
Ammoniacal Nitrogen	..	..	..	..	..	0.01
Albuminoid Nitrogen	..	..	..	..	..	0.03
Carbonate Hardness	..	..	..	..	..	450.00
Non-Carbonate Hardness	..	..	..	..	..	254.00
Excess Alkalinity as Sodium Carbonate	..	..	..	..	..	—
Oxygen absorbed from N/80 KMnO ₄ in 4 hrs. at 27°C	..	..	..	..	..	Nil
pH Value	..	..	..	..	..	7.38
Odour and Taste	..	..	..	..	..	Normal
Colour—Hazen Units	..	..	..	..	..	—
Heavy Metals	..	..	..	..	..	Lead 0.01
Fluorides as Fluorine	..	..	..	..	..	1.00

Observations At the time of sampling this water was of suitable chemical quality for human consumption, domestic use and dairy purposes.

The nitrate value of 13.0 mg/l is normal for this source.

Potterhanworth Pumping Station

This water contains per million parts:

Total Solids dried 180°C	..	..	..	..	..	590.00
Suspended Matter	..	..	..	..	..	Absent
Chlorides as Chlorine	..	..	..	..	..	44.0
Nitrate Nitrogen	..	..	..	..	..	6.3
Nitrite Nitrogen	..	..	..	..	..	0.001
Ammoniacal Nitrogen	..	..	..	..	..	0.01
Albuminoid Nitrogen	..	..	..	..	..	0.01
Carbonate Hardness	..	..	..	..	..	430.00
Non-Carbonate Hardness	..	..	..	..	..	212.00
Excess Alkalinity as Sodium Carbonate	..	..	..	..	..	—
Oxygen absorbed from N/80 KMnO ₄ in 4 hrs. at 27°C	..	..	..	..	..	Nil
pH Value	..	..	..	..	..	7.38
Odour and Taste	..	..	..	..	..	Normal
Colour—Hazen Units	..	..	..	..	..	—
Heavy Metals	..	..	..	..	..	Lead 0.01
Fluorides as Fluorine	..	..	..	..	..	0.13

Observation At the time of sampling this water was of suitable chemical quality for human consumption, domestic use and dairy purposes.

Refuse Collection

A weekly collection of refuse was carried out throughout the whole of the district, the work being executed by direct labour.

The system of collection is that the full dustbin is collected from the rear of the premises and the empty bin is returned to the rear of the premises.

Controlled tipping continued at Bracebridge Lowfields

Civic Amenities Act 1967

Under this Act the policy is for a separate collection to be made of bulky items of household refuse from the dwelling, if such items cannot be removed during normal collection.

Sewage Disposal

At the end of 1971, the following villages were sewered and sewers were in use:

Aubourn, Bassingham, Beckingham, Boothby Graffoe, Bracebridge Heath, Branston, Brant Broughton, Canwick, Carlton-Le-Moorland, Haddington, Heighington, Leadenham, Metherringham, Navenby, Nocton North Hykeham, Skellingthorpe, South Hykeham, Swinderby, Thorpe-on-the-Hill, Waddington, Washingborough, Welbourn and Wellingore.

The laying of sewers in Dunston and Potterhanworth was completed. House drain connections had yet to be made.

Work was progressing on the sewerage of Doddington, Eagle and North Scarle and an extension to the sewerage system serving Branston, Heighington and Washingborough. The extension of the Sewage Disposal Works at Metherringham was nearing completion.

Tenders were invited for the sewerage of Norton Disney, Stapleford and Thurlby. Proposals for sewerage Coleby and Harmston were submitted to the Department of the Environment for approval.

The Council, in pursuance of their policy of connecting dwellings to new sewers invited tenders for this work in respect of Dunston. Grant aid was given for the conversion of unsatisfactory types of closets into water closets.

OFFICES SHOPS AND RAILWAY PREMISES

1. Registrations and General Inspections

Class of Premises	No. registered during the year	No. of registered premises at end of year	No. of registered premises receiving an inspection
Offices	—	15	7
Retail Shops	1	86	64
Wholesale Shops and Warehouses	—	4	1
Catering est. open to public Canteens	—	16	11
Fuel Storage Depots	—	2	1
Totals	1	123	84

2. Analysis of Contraventions

Section	Contraventions	No. found	Section	Contraventions	No. found
4	Cleanliness	1	14	Seats (sedentary workers)	—
5	Overcrowding	2	15	Eating facilities	—
6	Temperature	4	16	Floors, passage and stairs	3
7	Ventilation	—	17	Fencing exposed parts machinery	—
8	Lighting	—	18	Protection of young persons from dangerous machinery	—
9	Sanitary Conveniences	1	19	Training young persons working at dangerous machinery	—
10	Washing facilities	—	23	Prohibition of heavy work	—
11	Supply of Drinking Water	—	24	First Aid General Provisions	4
12	Clothing Accommodation	3		Other matters	6
13	Sitting facilities	—		Total	24

All contraventions were dealt with informally and it was not necessary to take any legal action during the year.

Pests Act, 1949

The Council employ three full-time Rodent Operators. The District is divided into three areas, each Operator being responsible for a particular area.

The Report for the Year Ending 31st December, 1971, which is sent to the Ministry of Agriculture, Fisheries and Food, is reproduced to show the results of their work.

Properties other than Sewers

1. Number of properties in district
2. a. Total number of properties (including nearby premises) inspected following notification
b. Number infested by (i) Rats
(ii) Mice
3. a. Total number of properties inspected for rats and/or mice for reasons other than notification.
b. Number infested by (i) Rats
(ii) Mice

Type of Property	
Non Agricultural	Agricultural
13,907	1,156
498	54
421	42
64	5
4,166	585
1,359	293
20	3

Sewers

4. Were any sewers infested by rats during the year?

YES	NO <input checked="" type="checkbox"/>
-----	--

(tick as appropriate)

Surface Properties and Sewers

5. Any other points of interest?

No.

Defects found in Factories, Workshops and Workplaces

Sanitary accommodation:—

(a) Insufficient, 1 (b) Unsuitable or defective 3. All were remedied.

Premises	Number on Register	Inspections	Written Notices
Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities.	2	—	—
Factories not included in (i) in which Section 7 is enforced by the Local Authority.	85	21	—
Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	21	—	—
TOTAL	108	21	—

No defects were found during these inspections.

I remain,

Your obedient Servant,

J. F. ADAM,

Medical Officer of Health.

